

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

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GLADKIKH, V.F.; KELLINA, O.I.

Tolerance of animals for quinocide with certain other drugs. Med.
paraz. i paraz. bol.25 no.4:323-327 O-D '56. (MIRA 10:1)

1. Iz otdeleniya farmakologii i khimioterapii sektora eksperimental'-
noy parazitologii Instituta malyarii, meditsinskoy parazitologii i
gel'mintologii Ministerstva zdavookhraneniya SSSR (dir. instituta -
prof. P.G.Sergiyev, zav. sektorom - prof. V.P.Pod'yapol'skaya, zav.
otdeleniyem - prof. Sh.D.Moshkovskiy)

(ANTIMALARIALS, effects,

quinocide, tolerance in animals, in combination with
other drugs (Rus))

GLADKIKH, V. F., ZHUKOVA, T. A., GAZODOVA, G. YE., ZAL'NOVA, N. S.,
KASHLOVSKIY, SH. D., FASTOVSKAYA, E. I., CHURNOSOVA, A. A., SERGIYEV, P. G.
STAVROVSKAYA, V. I., LYSENKO, A. L., BRAUSE, M. B.

"Quinocide and the prospects of acceleration of the malaria
eradication rate in the USSR."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

GLADKIKH, V.F.; KELLINA, O.I.; KOROGODINA, Yu.V.

Data on the tolerance of laboratory animals for the antimalarial
cycloquin. Med.paraz. i paraz.bol. 28 no.4:443-448 J1-Ag '59.

(MIRA 12:12)

1. Iz Instituta malyarii, meditsinskoy parazitologii i gel'mintologii
Ministerstva zdavcokhraneniya SSSR (dir. instituta -prof. P.G. Ser-
giyev).

(ANTIMALARIALS pharmacology)

TIBURSKAYA, N.A.; GLADKIKH, V.F.; GRINBERG, E.M.

Data on the organ of vision following administration of quinocide.
Med.paraz. i paraz.bol. 28 no.4:454-456 J1-Ag '59. (MIRA 12:12)

1. Iz sektora eksperimental'noy parazitologii Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookh-raneniya SSSR (dir. instituta - prof. P.G. Sergiyev, zav. sektorom - prof. V.P. Pod'yapol'skaya) i kafedry glaznykh bolezney 1-go Moskov-skogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova (zav. kafedroy - prof. V.N. Arkhangel'skiy).

(ANTIMALARIALS pharmacology)

(QUINOLINES pharmacology)

(EYE pharmacology)

GLADKIKH, V.F.; KOROGODINA, Yu.V.

Toxicological and certain pharmacodynamic properties of quinocides.
Med.paraz.i paraz.bol. 29 no.4:440-447 J1. Ag '60. (MIRA 13:11)

1. Iz gel'mintologicheskogo otdela (zav. - prof. V.P. Pod'yapol'skaya) Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martynovskogo (dir. - prof. P.G. Sergiyev) Ministerstva zdravookhraneniya SSSR.
(QUINOLINE)

ALMAZOYEVA, V. V.; BATAYEV, P. S.; STAVROVSKAYA, V. I.; AKSEYENKO, G. R.;
BEZZUBOVA, V. P.; VOROB'YEVA, Z. G.; GLADKIKH, V. F.; ZHUKOVA, L. I.;
ZUYEVA, N. K.; KOROGODINA, Yu. V.; KLIMOVA, L. P.; KRYLOV, A. S.;
MASLOV, A. V.; PEYKRE, A. E.; SADOVSKAYA, G. Yu.; SPERANSKAYA, V. N.;
SOLOVEY, V. Ya.; TURCHINS, M. Ye.; SHAMRAY, A. F.; SHIPTSIINA, N. K.;
SHINKEVICH, M. A.

Field trials of new repellents. Med. paraz. i paraz. bol. no.4:
457-464 '61. (MIRA 14:12)

1. Iz entomologicheskogo otdela i otdela sinteticheskikh preparatov
Instituta meditsinskoj parazitologii i tropicheskoy meditsiny imeni
Ye. I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. -
instituta - prof. P. G. Sergiyev, zav. otdelami - prof. V. N.
Beklemishev i prof. V. I. Stavrovskaya)

(INSECT BAITS AND REPELLENTS)

GLADKIKH, V.G.

MOROZOVA, M.G. ; TROFIMOV, K.A.; MAKSIMOVA, T.K.; TURONOK, L.F.; ABAKUMOVA,
A.I.; GLADKIKH, V.G.; YAKOVENKO, Z.L.; KUZNETSOVA, V.I.; DUSHKINA, M.M.;
LEYBIN, L.S., polkovnik meditsinskoy sluzhby; DEKHTYAR', S.M., mayor medi-
tsinskoy sluzhby.

Viacheslav Vasil'evich Aliakritskii. Arkh.pat. 15 no.2:95-96 Mr-ap '53.
(MLRA 6:5)

1. Kafedra patologicheskoy anatomii. 2. Gorodskaya prozektura. 3. PAL.
(Aliakritskii, Viacheslav Vasil'evich, 1885--)

RAKHLIN, A.V.; GLADKIKH, V.G. (Voronezh)

Amyloid disease of the heart. Klin.med. 33 no.12:80 D '55.
(MLRA 9:5)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. professor M.N. Tumanovskiy) Voronezhskogo meditsinskogo instituta i patologo-anatomicheskogo otdeleniya Voronezhskoy oblastnoy klinicheskoy bol'nitsy.
(AMYLOIDOSIS) (HEART--DISEASES)

GLADKIKH, V.S.; GILCHENKOVA, B.G.

Hf content and Sr/Hf ratio in the effusive rocks of the Maymecha-Kotuy area (northwest of the Siberian Platform). Doklady Akad. Nauk SSSR 243: 627-629, 1979, 165. (U.S.S.R. 18:9)

1. Institut mineralogii, geologii i tektoniki, ul. Leninskii pr. 15, 119234, Moskva.

GLADKIKH, V.S.; SOLOMINSKAYA, B.A.

Find of melanocratic olivine nephelinites on the left bank of the
Uryup River (Kuznetsk Alatau). Dokl. AN SSSR 163 no.2:461-463 J1
'65. (MIRA 18:7)

1. Institut mineralogii, geokhimii i kristalloghimii redkikh
elementov. Submitted March 15, 1965.

AUTHOR: Gladkikh, Yu.F., Shugunov, A.L., and Gannikova, L.L. 197-19-7-14/52

TITLE: The Industrial Testing of Worm Separators on Dredges
(Promyshlennyye ispytaniya vintovykh separatorov na dragakh)

PERIODICAL: Gornyy zhurnal, 1958, Nr 7, pp 67-71 (1958)

ABSTRACT: The laboratory of Irghiredmet Institute tested various models of worm separators. These separators are used to extract metals and minerals from ores and placers. The model of the M-3 separator with a rubber worm through gave the best results. It extracted from 15-20% of concentrate, 93-97% of rare minerals or gold. Different tests with these separators under specific conditions of dredging work also gave excellent results. The laboratory is now concerned with the production of an industrial type of metal separator.
There are 3 tables, 2 graphs and 2 Soviet references.

ASSOCIATION: Irghiredmet

Card 1/1 1. Dredging equipment--test results

POL'KIN, Stepan Ivanovich; GLADKIKH, Yuriy Fedorovich; EYKOV, Yuriy Aleksandrovich; BARSKIY, L.A., otv. red.; MAKRUSHINA, Ye.A., red.izd-va; MAKSIMOVA, V.V., tekhn. red.

[Dressing of tantalum and niobium ores] Obogashchenie rud tantala i niobiia. Moskva, Gosgortekhnizdat, 1963. 186 p.
(MIRA 16:5)

(Ore dressing) (Tantalum) (Niobium)

GLADKIKH, Yu.F.; POL'KIN, S.I.

Effect of iron and calcium salts on the floatability of columbite-tantalite, tourmaline and garnet by various collectors. Trudy IPI no.20:36-43 '63.

Flotation of columbite-tantalite. Ibid.172-60

Flotation isolation of free iron formed by the wearing away of the metal equipment during ore dressing. Ibid.:99-104

(CUBA 18:2)

SHATALOV, A.Ya.; GLADKIKH, Yu.P.; MALYGIN, V.V.

Current drop curves in the anode oxidation of zirconium
under potentiostatic conditions. Dokl. AN SSSR 153 no.3:
657-660 N '63. (MIRA 17:1)

1. Predstavleno akademikom A.N. Frumkinym.

ZHURAVLEV, R.S.; OSIPOV, D.K.; GLADIKH, Z.V.,

Distribution of uranium and thorium in the nepheline rocks of
Goryachaya Mountain and the problems of its genesis. Geokhimiya
no.6:762-766 Je '65. (MIRA 18:7)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

USSR / Human and Animal Morphology, Normal and Pathological.
Nervous System

Abs Jour : R Sh Biol., No 21, 1958, No 97066

Author : Gladikh-Klyukina, A. V.

Inst : Kazan Medical Institute

Title : Some Data on the Innervation of the Parietal Peritoneum of
the Human Anterior Abdominal Wall.

Orig Pub : Sb. nauchn. rabot. Kazansk. med. in-t, 1957, vyp. 4, 76-81

Abstract : On the basis of a histologic study of preparations of 27
human cadavers in ages from a 4-month-old fetus to 25 years
of age, a general scheme of nerve-branch distribution in the
peritoneum of the anterior wall of the abdominal cavity was
composed, and the nerve endings of this region are described.

Card 1/1

GLADKIN, I.N.; MARCHENKO, N.A.

Copper plating from an electrolyte containing a complex copper
alkali salt of tartaric acid. Izv.vys.ucheb.zav.; khim.i khim.tekh.
4 no.6:1003-1005 '61. (MIRA 15:3)

1. Khar'kovskiy politekhnicheskii institut imeni V.I.Lenina,
kafedra tekhnologii elektrokhimicheskikh proizvodstv.
(Copper plating) (Tartaric acid)

GLADKIN, S. (Reviewer)

"Course of Private Epidemiology" (pub in 1955) by Prof. I. A. Lasharin
reviewed by Cand Med Sci S. GLADKIN, who gives the book a positive evaluation
but at the same time points out a number of inaccuracies and shortcomings.

Veditsinskiy Rabotnik, 82-1411, 11 Oct 1955, Encl

GLADKINA, T. S., kand. sel'skokhoz. nauk

Water vole and its control. Zashch. rast. ot vred. i bol. 5
no.10:23-25 0 '60. (MIRA 16:1)

1. Vsesoyuznyy institut zashchity rasteniy.

(Water voles—Extermination)

GLADKINA, T.S.

Methods of determining the effectiveness of extermination methods in controlling the lesser suslik; summary of a report. Trudy probl. 1 tem.sov. no.5:68-69 '55. (MIRA 8:12)

1. Vsesoyuznyy institut zashchity rasteniy, Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni Lenina
(Susliks)

GLADKINA, T.S.; POLYAKOV, I.Ya.

Criteria for forecasting the population of the red-tailed gerbil (*Meriones erythraurus*) in Azerbaijan and southern Uzbekistan [with English summary in insert]. Zool.zhur. 35 no.6:922-934 Je '56. (MLRA 9:10)

1. Laboratoriya prognozov razmnozheniya massovykh vraditeley sel'skokhozyaystvennykh kul'tur Vsesoyuznogo nauchno-issledovatel'skogo instituta zashchity rasteniy.
(Azerbaijan--Gerbils) (Uzbekistan--Gerbils)

GLADKINA, T.S., kand.sel'skokhozyaystvennykh nauk; MOISEYEVA, T.M.,
kand.sel'skokhozyaystvennykh nauk

Food specialization of the gerbils *Rhombomys optimus* Lich.
and *Meriones erythraurus* in southern Uzbekistan. Trudy
VIZR no.12:74-92 '58. (MIRA 13:5)
(Uzbekistan--Gerbils)

GLADKINA, T.S., kand. sel'skokhozyaystvennykh nauk

Some features of the renewal of the lesser suslik population
in an area treated with grain baits containing zinc phosphide.
Trudy VIZR no.12:168-188 '58. (MIRA 13:5)
(Zinc phosphide) (Susliks)

GLADKINA, T.S., kand. sel'skokhozyaystvennykh nauk; MEYER, M.N.,
kand. biologicheskikh nauk

Effect of ecological conditions and exterminatory measures
on the different ages in the lesser suslik population. Trudy
VIZR no.12:189-200 '58. (MIRA 13:5)
(West Kazakhstan Province---Susliks)

GLADKINA, TAMARA, S., MOKEYEVA, TATYANA M., and MEYER, Marina N.

"Materials on the intraspecific morpho-physiological variability of *Lagurus lagurus* Pall in Russia."

report presented at the Intl. Symposium on Methods of Theoretical Investigation. Brno, Czech.,
4 Sept. 1960

GLADKINA, T. S., kand. sel'skokhoz. nauk; POLYAKOV, I. Ya., doktor
sel'skokhoz. nauk

Ways for putting an end to large-scale damages caused by
susliks. Zashch. rast. ot vred. i bol. 5 no. 5:25-28 My '60.
(MIRA 16:1)

(Susliks---Extermination)

GLADKINA, T.S.; MEYER, M.N.; MOKEYEVA, T.M.

Morphological and physiological characteristics of two subspecies
of the steppe lemming *Lagurus lagurus abacanicus* Serebr. and *L.*
L. agressus Serebr. Zool. zhur. 41 no.2:200-274 F '62.

(MIRA 15:4)

1. Laboratory of the Forecasts, All-Union Institute of Plant
Protection, Leningrad.

(Leningrad)

GLADKINA, T.S., kand. sel'skokhoz. nauk

The marmot *Marmota bobac* in the Virgin Territory. Leshon.
rast. ot vred. 1 bol. 8 no.10,8-9 0 '63.

(1984-1985)

1. Vsesoyuznyy institut zashchity rasteniy.

GLADKINA, T.S.; MEYER, M.N.; MOKEYEVA, T.M.

Intraspecific variations in small rodents. Dokl.AN SSSR 148
no.4:962-965 F '63. (MIRA 16:4)

1. Vsesoyuznyy institut zashchity rasteniy. Predstavleno
akademikom Ye.N.Pavlovskim.
(Zoology-Variation) (Rodentia)

26879
S/081/61/000/013/016/028
B110/B205

11-7200

AUTHORS: Sychev, R. B., Kulyashov, V. F., Vol'f, M. B., Danilov, I. F.,
Gladkiy, A. M., Savchenko, V. I.

TITLE: The inflammation limits of various pure hydrocarbons at
lowered pressures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1961, 525, abstract
13, 288 (Tr. Bashkirsk. n.-i. in-t po pererabotke nefti,
1960, vyp. 4, 113 - 119)

TEXT: The authors determined the inflammation limits of mixtures of
n-heptane, iso-octane (2,2,4-trimethyl pentane) and toluene with air.
The experiments were performed at a temperature of 200°C in a chamber of
70 mm internal diameter and 170 mm length, in which an inflammation device
and a grid for stabilizing the flame were installed. The gas mixture
had a constant velocity of about 10 m/sec in all experiments. The
inflammability of each vapor - air mixture was characterized by: a) the
region range of steady inflammation; b) the region range with individual
extinctions and pulsations of the flame; and c) by the limits of

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26879

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B110/B205

The inflammation limits...

concentration at which the flame of a previously ignited mixture disrupted. It was shown that the inflammation limits of hydrocarbons with similar physical properties differ due to their different chemical structures, especially in the case of poor mixtures. The limits of inflammability approach each other with decreasing pressure. This is most distinct at a pressure of < 0.5 At at. The minimum limiting pressure limit is 0.21 - 0.2 At at for practically all hydrocarbons investigated. [Abstracter's note: Complete translation.] ✓

GLADKIY, A.P.

Histogenesis of the smooth muscular tissue of walls of the aorta
and of the small intestine. Trudy LSGMI 16:246-263 '53. (MLRA 10:8)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta (zav. kafedroy prof.
S.I.Shchelkunov)

(AORTA, embryology,
histogenesis of musc. tissue)

(INTESTINE, SMALL, embryology,
histogenesis of musc. tissue)

GLADKIY, A.P.
GLADKIY, A.P.

Regeneration of the muscular tissue of the abdominal aorta. Trudy
ISGMI 16:264-286 '53. (MLRA 10:8)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta (zav. kafedroy prof.
S.I.Shchelkunov)

(AORTA, physiology,
regen. of musc. tissue)
(REGENERATION,
aortic musc. tissue)

GLADKIY, A.P.

Reactivity of smooth muscular tissue of the wall of the small intestine. Trudy LSGMI 16:287-298 '53. (MLRA 10:8)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (sav. kafedroy - prof. S.I.Shchelkunov)
(MUSCLE) (INTESTINES)

GLADKEY, A. P.
EXCERPTA MEDICA Sec 5 Vol.11/9 Pathology Sep. 58

2138. REGENERATION OF SKIN EPITHELIUM IN INTACT AND DISTURBED
INNERVATION (Russian text) - Gladky A. P. - ARKH. PATOL. 1957,
19/7 (23-33) illus. 8

Two series of experiments were carried out in 35 adult cats. In all the animals a skin flap of 4 x 7 cm. was made on the right side and immediately sutured on to its place again; after 12 - 16 days the base of the flap was dissected and also sutured. In this way all nervous connections are believed to have been interrupted. After wound healing, skin trauma was brought about on both sides of the body (on the right side on the flap, on the left side as a control). In the 1st series a piece of skin of 1 sq. cm. was removed together with the subcutis. In the second series the epidermis was superficially scraped with a scalpel. In the first series this wounded area was examined after 2.5 hr. to 61 days, in the 2nd series after 2 hr. to 15 days. Embedding was in celloidin. In the first few hours after the injury, regeneration at the side with disturbed innervation was more intense; in the 2nd series the reverse was observed. Covering with skin was through 2 epithelial generations: in the first series the second epithelial generation covered the defect after 8 - 10 days, in the 2nd after 3 days, independent of whether the innervation was disturbed or not. In the experiment, leucocytic infiltration was more marked in disturbed innervation but in the second series the reverse was true. In the 1st series after 2 months, in the 2nd after 15 days, the epithelial layer showed the same structure independent of the state of innervation. The corneal layer was more developed and the cells were larger than normal. In epithelial proliferation mitoses as well as amitoses were observed.

Brandt - Berlin (V. 2, 13)

GLADKIY, F. I.

USSR / General Biology - General Cytology.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 37981.

Author : Gladkiy, A. P.

* Inst : Not given.

Title : Reactive Changes of the Muscular Tissue of the Uterine Wall in Pregnancy.

Orig Pub: Arkhiv anatomii, gistol. i embriologii, 1957, 34, No 1, 42-49.

Abstract: Investigations of the uterine muscular tissue (MU) were conducted on cats (pregnancy 10-15 days -- 65 days) and 1-9 days after giving birth. It was established that the MU is slightly differentiated. Young muscle-cells and connective-tissue elements distributed between them serve as cambial elements. In pregnancy 3 stages are differentiated: stretching

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* [2] GLADKIY, F. I.

USSR / General Biology. Cytology. General Cytology. B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14295

Author : Gladkiy, A. P.

Inst : Not given

Title : The Amitotic Division of Nerve Cells

Orig Pub : Arkhiv anatomii, gistol. i embriol., 1953,
35, No 1, 59-62

Abstract : The small intestine of 50 cats was used as material for the study. Sections of serous and muscular membranes with a diameter of 2-3 cm were excised from the wall of the intestine in 8 places. The injured sections of the intestine were then excised at various periods of time after the defect was inflicted (1 hour - 62 days), and were submitted to histological treatment. The nervous

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CIA-RDP86-00513R0005

USSR / General Biology. Cytology. General Cytology.

5

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14295

ganglia of the small intestine of a cat regenerate. -- V. V. Polovtsova

Card 3/3

GLADKIY, A.P.

Embryonic histogenesis of neural elements of the small intestine in man [with summary in English]. Trudy ISGMI 42:349-372 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).
(INTESTINE, SMALL, embryology,
histogenesis of neural elements (Rus))

GLADKIY, A.P.

Histogenesis of sensory nerve endings in the wall of the small intestine in man. [with summary in English]. Trudy ISGMI 42:373-383 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarnogo gigiyenicheskogo meditsinskogo instituta (zav. kafedroy- chlen-korrespondent AMN SSSR, prof. S.I. Shehelkunov).

(INTESTINE, SMALL, embryology.

histogenesis of sensory nerve endings (Rus))

(NERVE ENDINGS, embryology.

histogenesis in small intestine (Rus))

GLADKIY, A.P.

Physiological regeneration and degeneration of neural elements in the small intestine of man during embryogenesis [with summary in English].
Trudy LSGMI 42:384-401 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (sav. kafedroy - chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(INTESTINE, SMALL, embryology
physiol, regen. & degen of nerves (Rus))

GLADKIY, A.P.

Reactive changes in nerve cells of the small intestine under experimental conditions. [with summary in English]. Trudy LSGMI 42:402-434 '58
(MTWA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo gosudarstvennogo meditsinskogo instituta (zav.kafedroy chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(INTESTINE, SMALL, innervation,
regen. after exper. inj. (Rus))

(REGENERATION,
Small intestine nerves after exper. inj. (Rus))

GLADKIY, A. P., Doc Biol Sci (diss) -- "On the laws of the histogenesis and regeneration of the musculature and nervous apparatus of the wall of the small intestine". Leningrad, 1959. 18 pp (Min Health RSFSR, Leningrad Sanitary-Hygiene Med Inst), 200 copies (KL, No 21, 1959, 113)

GLADKIY, A.P. (Leningrad, S-144, Sovetskaya ul. 29, kv. 4)

Development of muscular tissue of the small intestine. Arkh.anat.
gist.i embr. 38 no.4:51-60 Ap '60. (MIRA 14:5)

1. Kafedra gistologii i embriologii (zav. - chlen-korrespondent
AMN SSSR prof. S.I.Shchelkunov) Leningradskogo sanitarno-gigiyenitche-
skogo meditsinskogo instituta.
(INTESTINES) (MUSCLES)

GLADKIY, A.P. (Kalinin, Novopromyshlennaya ul. 40, kv.7)

Regeneration of the musculature of the small intestine in an experiment. Arkh. anat., gist. i embr. 42 no.6:71-77 Je '62.
(MIRA 15:6)

1. Kafedra gistologii i embriologii (zav. - prof. N.I. Grigor'yev) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta i kafedra gistologii i embriologii (zav. - prof. A.P. Gladkiy) Kalininskogo meditsinskogo instituta.

(INTESTINES) (REGENERATION (BIOLOGY)) (MUSCLE)

GLADKIY, A.P., prof.

Materials on the regeneration of nerve cells in the intramural
plexuses of the intestines. Trudy KGM no.10:449-453 '63.

(MIRA 18:1)

1. Iz kafedry g' tolgii (zav. kafedroy - prof. A.P.Gladkiy)
Kalininskogo gosudarstvennogo meditsinskogo instituta.

GLADKIY, A.F. [Gladkiy, A.F.]

Study of the strain of lymphocytic choriomeningitis virus isolated from Ixodes ricinus ticks collected in western provinces of the Ukraine. Mikrobiol. zhur. 27 no.1:10-15 '65. (MIRA 18:7)

L'vivskiy nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii i gigiyeny.

GLADKIY, A.S.

GLADKIY, A. S.: "Sands of the lower Dnepr". (An attachment grouping soils for purposes of soil-binding and afforestation). Khar'kov, 1955. Min Higher Education Ukrainian SSR. Khar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev. (Dissertations for the degree of Candidate of Agricultural Science.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow,
Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Gladkiy, A. V. (Barnaul). On the Effectively Unbounded
Additive Set Functions. 79

Danilyuk, I. I. (L'vov). Quasi-analytic Functions of
Many Variables on Manifolds. 79-80

Dzhrbashyan, M. M. (Yerevan). On the Weighted Polynomial
Approximations in Complex Regions. 80

Dzyadyk, V. K. (Lutsk). Precise Evaluation of the Best
Approximations for a Class of Periodical Functions. 80-82

There are 2 references, both of them USSR.

Dzyadyk, V. K. (Lutsk). On Approximations by Polynomials
of Non-periodical Functions Satisfying the Condition
 $Lip \alpha$ ($0 < \alpha < 1$). 82-83

Mention is made of Bernshteyn, S. N., Nikol'skiy, S. M.
and Timan, A. F.
Card 25/80

GLADKIY A.V.

SUBJECT USSR/MATHEMATICS/Topology CARD 1/1 PG - 987
AUTHOR GLADKIY A.V.
TITLE On a paper of D.E.Menshov.
PERIODICAL Mat.Sbornik,n.Ser. 39, 379-384 (1956)
reviewed 7/1957

The author constructs a non-countable set of continua being contained in a plane which are pairwise disjoint to each other and the singular points of which form a set of second category in the plane (a point a of a continuum K is called singular if K is not locally connected in a). - Every continuum is the closed closure of a spiral-shaped curve which twists around a unit line.

SUBJECT USSR/MATHEMATICS/Topology CARD 1/1 PG - 937
AUTHOR GLADKIY A.V.
TITLE On the relation between descriptive measurability, absolute
measurability and the Baire property.
PERIODICAL Mat.Sbornik,n.Ser. 41, 3-6 (1957)
reviewed 7/1957

The author joins the notion of the descriptive measurability introduced by A.Lyapunov (Mat.Sbornik,n.Ser. 24, (1949) 1-119) and shows that from the continuum hypothesis there follows the existence of a set which has the Baire property and is absolutely measurable but which is not descriptively measurable.

INSTITUTION: Kaluga.

AUTHOR: Gladkiy, A.V. (Kolonna) 39-41-2-10/10

TITLE: Thin Classes of Sets Which Admit F_σ -Covers (Razreshennyye klassy mnozhestv, dopuskayushchiye pokrytiya F_σ)

PERIODICAL: Matematicheskii Sbornik, 1958, Vol 41, Nr 2, pp 287-295 (USSR)

ABSTRACT: According to A.A. Lyapunov [Ref 1,2] a class Ξ of subsets of the absolute B-set I is called thin, if 1.) $I \notin \Xi$ 2.) a subset of a set which belongs to Ξ belongs also to Ξ 3.) each set E belonging to Ξ is contained in a B-set E^* belonging to Ξ 4.) the sum of at most denumerably many sets belonging to Ξ also belongs to Ξ 5.) Each system of B-sets which do not belong to Ξ and which have an empty intersection in pairs, is at most denumerable. The author says that a thin class Ξ admits F_σ -covers, if for each $E \in \Xi$ a certain F_σ -set can be taken as the set E^* (see 3-rd condition above). At first several simple properties of thin classes are enumerated, e.g. the intersection of at most denumerably many thin classes is thin. Then 4 theorems are proved:
Theorem: To each thin class Ξ which admits F_σ -covers there exists a decreasing transfinite sequence of closed sets $F_1 \supset \dots \supset F_\alpha \supset \dots / \gamma$ with the property that $F_{\alpha+1}$ is nowhere

Thin Classes of Sets Which Admit F_σ -Covers

39-44-2-10/10

dense on F_α and that $\Xi = \bigcap_{\alpha < \omega} \Xi_{F_\alpha}$ (i.e. Ξ is identical with the class of the sets of first category simultaneously on all F_α).

Theorem: Inversion of the preceding one.

Theorem: If a thin class admits F_σ -covers, then each Ξ -measurable set E contains a certain set H of the type G_δ so that $E - H \in \Xi$ (E is called Ξ -measurable, if $E = E_1 + E_2$, E_1 a B -set and $E_2 \in \Xi$).

Theorem: The class of the sets which are Ξ -measurable for each thin, F_σ -covers admitting class Ξ , is identical with the class of those sets which strictly speaking possess the property of Bair. There are 2 Soviet references.

SUBMITTED: August 16, 1955

AVAILABLE: Library of Congress

1. Mathematics - Theory

Card 2/2

USCOMM-DC-54,996

16(1)

AUTHOR: Gladkiy, A.V.

SOV/DO-125-5-2/6

TITLE: On the Nilpotency Class of a Group With a δ -base (O klasse nil'potentnosti gruppy s δ -bazisom)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 125, No 5, pp 963-965 (USSR)

ABSTRACT: Theorem: A group with a δ -base, $\delta < \frac{1}{\delta+1}$, $n \geq 2$, cannot be

nilpotent with the class $\leq n$.

The proof is given with the aid of two long lemmas. The notion of a δ -base is due to V.A.Tartakovskiy [Ref 1].

There is 1 Soviet reference.

ASSOCIATION: Institut matematiki Sibirskogo otdeleniya Akademii nauk SSSR
(Mathematical Institute of the Siberian Section of the AS USSR)

PRESENTED: October 14, 1958, by I.M.Vinogradov, Academician

SUBMITTED: October 9, 1958

84567

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C111/C222

16.2000

AUTHOR: Gladkiy, A.V.

TITLE: Groups With a k-Reducible Base

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 131, No. 1, pp. 16 - 18

TEXT: Tartakovskiy, V.A. (Ref. 1) introduced the groups with a S - base and with a k -reducible base.

For $\delta < \frac{1}{6}$ and $k > 6$, respectively, for these groups there exist algorithms solving the identity problem. Incited by I. S. Novikov the author investigates the question: Under which conditions exists a base with a "good" k . A necessary condition was formulated by the author in his preceding paper (Ref. 2). In the present paper he gives other (partially more extensive) necessary conditions. He discusses the connections between a k -reducible base and a δ - base. Here the author uses new own definitions of the mentioned notions; these definitions are not equivalent to those of Tartakovskiy. The author formulates 6 theorems, e.g.:

Theorem 5: A group with a k -reducible base is not periodic for $k \geq 6$.

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Groups With a k -Reducible Base

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Theorem 6 : In a group with a k -reducible base no non-trivial (i.e. not being valid in every group) identity relation can be satisfied for $k \geq 8$.

Theorem 4 is contained essentially in (Ref. 4b).

The author mentions M. Grindlinger. There are 4 references : 2 Soviet, 1 Swedish and 1 English.

ASSOCIATION: Institut matematiki Sibirskogo otdeleniya Akademii nauk SSSR
(Institute of Mathematics of the Siberian Department of the
Academy of Sciences USSR)

PRESENTED: April 18, 1960, by S.L. Scholev, Academician

SUBMITTED: March 3, 1960

GLADKIY, A.V.

Simple Dyck words. Sib. mat. zhur. 2 no.1:36-45 Ja-F '61.
(MIRA 14:6)

(Groups, Theory of)

GLADKIY, A.V.

Groups with k -reducible bases. Sib. mat. zhur. 2 no.3:366-383
My-Je '61. (MIRA 14:7)

(Groups, Theory of)

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APPROVED FOR RELEASE: Tuesday, September 17, 2002

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ACCESSION NR: AR5006727

Y $\phi_x(L)$, and analogously for $\psi(L)$. The question is considered of the interrela-

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Card 3/3

101, 101

Continued with a report dated 10/1/63. (MIRA 1018)

GLADKIY, A.V. (Novosibirsk)

Configuration characteristics of languages. Probl. kib. no.10:251-
260 '63. (MIRA 18:4)

GLADKIY, A.V.

Algorithmic nature of the invariant properties of the grammars
of direct components. Alg. i log. 3 no. 2017-31 *61 (MIRA 1971)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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GLADKIY, A.V.

Complexity of the derivation of direct components in phase
structure grammars. Alg. 1 log. 3 no.5/6:29-44 '64.

(MIRA 18:6)

GLADKIY, A.V.

Some algorithmic problems for context-free grammars. Alg. 1 log. 4
no.1:3-13 '65. (MIRA 18:5)

ACC NR: AP6030972

(A,N)

SOURCE CODE: UR/0161/66/005/011/3282/3287

AUTHOR: Gladkiy, B. I.; Nasledov, D. N.; Tsarenkov, B. V.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN USSR, Leningrad (Fiziko-tekhicheskiy institut AN SSSR)

TITLE: Variation of the current-voltage characteristic of a GaAs laser during transition from the amplification to the generation mode

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3282-3287

TOPIC TAGS: laser, semiconductor laser, volt ampere characteristic

ABSTRACT: The characteristic of the gallium arsenide diode was investigated with the aid of a Fabry-Perot resonator at currents corresponding to the transitions from the amplification to the generation mode. The p-n structure of the diodes used in the experiment was based on n-gallium arsenide alloyed with tellurium (electron concentration $2 \times 10^{18} \text{ cm}^{-3}$); the p-region was alloyed with zinc. The p-n crystal was 170 to 200 μm thick, the p-region was 50 to 60 μm thick, and the p-n transition area was approximately 10^{-3} cm^2 . The following characteristics were measured: current-voltage; spectral distribution of radiation intensity at different currents; and differential capacitance versus voltage. The experimental results show that at diode voltages of $U \geq \frac{E_g}{q}$ (E_g is the width of the forbidden band of gallium arsenide, q is the electron charge), the I-U characteristic has two linear sections, with a sharp

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ACC NR: AP6036972

transition from the first to the second, i.e., I-U is deflected. Each section is characterized by its U_{sec} and its differential resistance R_{res} , and the bend of the curve occurs in the transition region. The most probable cause for the decrease in R_{res} at $U > U_G$ is the increase of charge carriers in the layer as the result of the internal photoeffect, which is caused by photons emitted owing to the recombination of nonequilibrated carriers at direct current through the p-n transition. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 07May66/ ATD PRESS: 5108

PLATONOV, A.N., inzh., otv. red.; POVARENYYKH, A.S., doktor geologo-min. nauk, prof., glav. red.; AGAFONOVA, T.N., kand. geol.-min. nauk, dots., red.; BELEVTSSEV, Ya.N., prof., red.; GAVRUSEVICH, B.A., kand. geol.-min.nauk, dots., red.; GLADKIY, B.N., inzh., red.; IVANTISHIN, M.N., doktor geol.-miner. nauk, red.; KHATUNTSEVA, A.Ya., kand. geol.-miner. nauk, red.; ZAVIRYUKHINA, V.N., red.; DAKHNO, Yu.M., tekhn. red.

[Annals of the Ukrainian Branch of the All-Union Mineralogical Society] Zapiski Ukrainskogo otdeleniia Vsesoiuznogo mineralogicheskogo obshchestva. Kiev, Izd-vo AN USSR, 1962. 184 p. (MIRA 17:3)

1. Akademiya nauk URSR, Kiev. Ukrainskoye otdeleniye Vsesoyuznogo mineralogicheskogo obshchestva. 2. Chlen-korrespondent AN Ukr.SSR (for Belentsev).

L 21655-66 EWT(m)/EWP(t) JD

ACC NR: AR6011593

SOURCE CODE: UR/0137/65/000/012/E019/E019

AUTHOR: Gavranek, B.; Gladkiy, D.; Ieybenzon, S.; Onishchenko, Ye.; Shakhmeyster, B.; Chalyy, V.

ORG: none

TITLE: Automatic non-contact regulator for controlling the electric cycle of furnaces for flux remelting 68 B

SOURCE: Ref. zh. Metallurgiya, Abs. 12B131

REF SOURCE: Elektrotermiya. Nauchn.-tekhn. sb., vyp. 44, 1965, 17-19

TOPIC TAGS: automatic regulation, metal melting, metallurgic furnace, electric relay, power amplifier, electrode, electric transformer, electronic circuit

TRANSLATION: The Zaporozh'ye Affiliate of the Institute of Automation and the Dneprospetsstal' Plant have developed a non-contact regulator for controlling the electric cycle for flux remelting in consumable-electrode furnaces. The regulator maintains working current of electrode with an accuracy of 1.5% of nominal. An input signal proportional to electrode current is received by current transformer and fed to a comparison circuit where it is compared with a voltage which is proportional to the setting of the electrode working current. The difference between these voltages is fed to a semiconductor relay which operates a magnetic power amplifier. This amplifier controls the motor which moves the electrode. A

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UDC: 669:621.365:681.1/.2 2

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ACC NR: AR6011593

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schematic diagram of the regulator is given together with an explanation of its operation. The regulator has been in continuous operation at the Dneprospetsstal' plant for a year and a half. During that time, the unit has been used in making more than 1,000 melts which have shown that the regulator is reliable in operation, simple to use, and eliminates metal rejects due to excessive deviations in electrode current during melting. V. Sidorov. [JPRS]

SUB CODE: 09, 13

Card 2/2 *LOC*

SOV/133-59-1-10/23

AUTHORS: Gladkiy, D.F., Ivan'ko, V.F. and Kurganov, V.V.,
Engineers

TITLE: Experience in the Operation of an Electric Furnace of the
DSV-30 Type With a High Secondary Voltage (Opyt
ekspluatatsii elektrotechni DSV-30 s vysokimi vtorichnymi
napryazheniyami)

PERIODICAL: Stal', 1959, Nr 1, pp 45 - 46 (USSR)

ABSTRACT: Experiments on the determination of most suitable
secondary voltages for furnace transformers are described.
A DSV-30 furnace was used (charge 50 tons, yield of
metal 46 tons). For this purpose, the furnace was fitted
with two identical transformers - PDRO 10001/30 of 900 kW
each with the primary voltage of 30 000 V and 26 steps in
the secondary voltage from 86 to 270 V. Series
connection of the low-voltage windings of both trans-
formers enabled doubling the secondary voltage during
the melting period. For obtaining low-voltage steps
(which are necessary for refining) a circuit was used
which allows series connection of the primary windings of
both transformers (Figure 1, p 45). The comparison of
the furnace performance with one and two transformers is
shown in Tables 1 and 2. Operation with a secondary

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SOV/133-59-1-10/23
Experience in the Operation of an Electric Furnace of the DSV-30
Type with a High Secondary Voltage

voltage of 420 V (instead of 282 V) brought about a decrease in the melting period by 34 minutes. The increase in the power supplied and the simultaneous decrease in thermal and electric losses of the furnace (due to a decrease in the duration of melting period) resulted in a decrease in specific power consumption by 19 kWh/ton. Operation with two interconnected transformers brought about some improvement in the power factor during the melting period and also some reduction of the power factor during the boiling and refining periods due to an increase of the reactivity of the furnace circuit caused by the second transformer. Operation at 420 V did not result in any material change in the durability of the wall linings and the chrome-magnesite roofs nor in the metal quality. It is concluded that, during the melting period, 40-ton electric furnaces can be operated with a secondary voltage of 420 V with good results. Use of still higher voltages will be tested. There are 3 figures, 2 tables and 5 Soviet references.

GLADKIY, D.F., inzh.; KOVALENKO, A.Ya., inzh.; OKOROKOV, H.V., doktor tekhn.
nauk, prof.

Stator with bar winding for mixing metal in arc furnaces. Stal' 20
no.10:905-910 O '60. (MIRA 13:9)
(Electric furnaces--Equipment and supplies)

SAPKO, A.I.; SVIRIDENKO, L.G.; DOEROV, V.P.; GLADKIY, D.F.; BUZUNOV, I.S.;
PICHAK, G.V.

Remote control of steel-pouring ladle plugs. Metallurg
7 no.6:18-21 Je '62. (MIRA 15:7)

1. Dnepropetrovskiy metallurgicheskiy institut i Dnepropetrovskiy
staleplavil'nyy zavod vysokokachestvennykh i spetsial'nykh
staley.

(Electric furnaces--Equipment and supplies)
(Remote control)

GLADKIY, D.F.

Greater attention to automation problems. Metallurg 8 no.6:
34-35 Je '63. (MIRA 16:7)

1. Zamestitel' nachal'nika tsekha kontrol'no-izmeritel'nykh
priborov i avtomatiki Dneprovskogo elektrometallurgicheskogo
zavoda spetsial'nykh staley.
(Iron and steel plants) (Automation)

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GLADKIY, F.F. [Hladkyi, F.F.]

Handling of inert gas (nitrogen) in the production of hydrogen.
Khar.prom. no.1:45 Ja-Mr '62. (MIRA 15:8)

1. Khar'kovs'iy mel'nichnyy kombinat.
(Hydrogen) (Nitrogen)

GLADKIY, F. M., kapitan meditsinskoy sluzhby

Quantity of unsubstituted amino acids in navy rations. Voen.-
med. zhur. no.12:42 D '61. (MIRA 15:7)

(AMINO ACIDS) (RUSSIA—NAVY—COMMISSARIAT)

GLADKIY, F.S.; PODOL'SKIY, M.I.

Use of waste heat generated by slops in distilling plants. Spirt.prom.
20 no.2:27-28 '54. (MLRA 7:6)
(Liquor industry) (Waste heat)

WATSON, J. W.

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GLADKIY, G.V.

GLADKIY, G.V.

Computing zero-point shift errors in observations with gravity
meters. Razved.i prom.geofiz.no.17:65-67 '57. (MIRA 10:12)
(Gravity--Measurement)

GLADKIY, G.V.

Embryonic development of mirror carp. Vop. fiziol. zhizn. i zhiv.
no.1:171-181 '60. (MIRA 14:10)

1. Kafedra zoologii pozvonochnykh Belorusskogo gosudarstvennogo
universiteta imeni Lenina.
(EMBRYOLOGY---FISHES) (CARP)

VOROB'YEV, Yuriy Fedorovich; GLAZEV, Tatyana Pavlovna. Ekonomika
Sov. Fed.

[Equalizing the levels of economic development of the
Union Republics] Vyravniwanie urovnei ekonomichesk.
razvitiia soedinykh respublik. Moskva: Izdatel'stvo
1965. 213 p. (Pis'ma)

NADEZHDIIN, D.S. [Nadiezhdin, D.S.]; GLADKIY, I.M. [Hladkyi, I.M.];
GUREVICH, Yu.M. [Hurevych, IU.M.]

Use of lacquer coatings for the protection of equipment, apparatus
and metal structures in the salt industry. Khar.prom. no.3:72-74
Jl-S '62. (MIRA 15:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut solyanoy
promyshlennosti.

(Salt industry—Equipment and supplies)
(Protective coatings)

GLADKIY I.N.

AYZENBERG, V.N.; GLADKIY, I.N.

Using waste products of the soda and salt industries in livestock farming. Zhivotnovodstvo 20 no.4:58 Ap '58. (MIRA 11:3)

1. Starshiy nauchnyy sotrudnik Vsesoyuznogo nauchno-issledovatel'skogo instituta solyanoy promyshlennosti (for Ayzenberg). 2. Mladshiy nauchnyy sotrudnik Vsesoyuznogo nauchno-issledovatel'skogo instituta solyanoy promyshlennosti (for Gladkiy).
(Feeding and feeding stuffs) (Minerals in food)

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~~CIA-RDP86-00513R0005~~

NADEZH DIN, D.S., kand.tekhn.nauk; GLADKIY, I.N.; CHMYREV, Yu.P.;
NAUMENKO, A.I.

Study of the corrosive and electrochemical behavior of EI-811
steel in a saturated brine. Sbor.nauch.trud.UkrNIISol' no.6:
62-70 '62. (MIRA 17:3)

GLADKIY, I.N.; NAUMENKO, A.I.

Corrosion testing of carbon steel in deoxidized saturated brines.
Sbor.nauch.trud.UkrNIISol' no.6:70-73 '62. (MIRA 17:3)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

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~~APPROVED FOR RELEASE: Tuesday, September 17, 2002~~

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GLADKIY, I.N.; KAL'NINA, I.G.

Results of purifying "Chugunka" salt from Lake Baskunchak by the
washing method. Sbor.nauch.trud.UkrNIISol' no.6:86-89 '62.

(MIRA 17:3)

NADZHDIN, D.S., kand.tekhn.nauk; GLADKIY, I.N.; GUREVICH, Yu.M.

Testing the resistance of painted and varnished coatings in salt
mines and salt plants. Sbor.nauch.trud.UkrNIISol' no.6:90-95
'62. (MIRA 17:3)

GLADKIY, I.N., inzh.

Using the sediments from brine concentration in the production
of slag cement. Stroi.mat. 8 no.7:37 J1 '62. (MIRA 15:8)
(Slag cement)

S/080/62/035/011/004/011
D287/D307

AUTHORS: Marchenko, N.A., Gladkiy, I.N., and Rayber, E.S.
TITLE: Adhesion of electrolytic coatings to an electronegative base
PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 11, 1962, 2445 - 2448

TEXT: A general method for the preparation of an electronegative base, comprising the activation of the surface, is described. The coatings were applied on titanium, aluminum and their alloys. Activation of the surface (up to the time of formation of the metallic deposit) is recommended as the attraction between the atoms of the base and of the coating will reach their highest value in this case. The magnitude of the active surface was calculated by the oscillographic method and by plotting polarization curves. Experiments were also carried out on the corrosion of titanium in H_2SO_4 solutions of varying concentration and at different temperatures to determine optimum conditions for the activation of Ti. The degree of activity

Card 1/2

Adhesion of electrolytic coatings ... S/080/62/035/011/004/011
D287/0307

was controlled by determining the potentials oscillographically and by using a cathode voltmeter. The magnitude of the active surface is also influenced by the initial current density and increases with increasing current densities. Washing before the deposition of the coating should be omitted as this passivates the surface. Current impulses should be applied during the initial stages of the coating process. The authors have also carried out experiments on the chromium-plating of cylinders АРС (DVS), made of the alloy АЛ 10В (AL 10V), when $D_a = 10 \text{ a/dm}^2$. A porous oxide layer of granular structure was formed. There are 4 figures and 2 tables.

ASSOCIATION: Khar'kovskiy politekhnicheskii institut imeni V.I. Lenina (Khar'kov Polytechnic Institute imeni V.I. Lenin)

SUBMITTED: July 13, 1961

NADEZH DIN, D.S. [Nadiezhdin, D.S.]; GLADKIY, I.M. [Hladkyi, I.M.]

Corrosion of the equipment in the salt industry and methods for its
control. Kharch.prom. no.4:64-67 O-D '63. (MIRA 17:1)

ACCESSION NR: AR4014554

S/0276/63/000/012/BO89/BO90

SOURCE: RZh. Tekhnologiya mashinostroyeniya, Abs. 12B599

AUTHOR: Gladkiy, I. N.; Rayber, Z. S.

TITLE: Copper plating of titanium

CITED SOURCE: Tr. Khar'kovsk. politekhn. in-ta, v. 45, 1963, 59-63

TOPIC TAGS: plating, metal plating, copper plating, copper plating titanium, plating titanium, electroplating, electrolytic plating, titanium electroplating

TRANSLATION: The results are given of research on working out the technological process of a system of copper plating on titanium which has a good quality of cohesion. The effect of preparatory operations and deposition conditions on the degree of activity of the titanium base and its cohesion to the plating is studied by the oscillograph method. The following technological system of copper plating is recommended: degreasing in acetone, alcohol, etc., air drying, pickling in a 5% solution of sulfuric acid at a temperature of 80-90°, coppering in a sulfuric acid electrolyte, washing in cold running water, drying at a

ACCESSION NR: AR4014554

temperature of 150-200°, heat treatment at a temperature of 700-800°C for 5-10 minutes.

DATE ACQ: 09Jan64

SUB CODE: ML

ENCL: 00

SPHALL, O.K.; GLENN, J.L.; PALMISTO, J.G.; THOMPSON, J.L.

Obtaining high-quality salt by recrystallization. Sh. Nauch.
trud. Ukr.ITSol' no.7:99-102 '64 (USSR 10:1)

GLADSKIY, I.P.; KAL'TINA, I.G.

Treating the salt from Lake Dzhankel-Klych. Short. russ. trud.
UkrNIISol' no.7:102-105 '64 (MIRA 18:1)

NADZEBOL, U.S.; GRADY, L.F.

Studying the corrosion resistance of 316-33 and EP-61 non-
deficit stainless steels. Skor. nach. trad. (USSR) no. 2:
116-121 '64 (MIRA 10:1)

L 3-63-
ACC NR: AFG019025 (N) SOURCE CODE: UR/0153/65/003/006/0979/0932

AUTHOR: Marchenko, N. A.; Gladkiy, I. M. 30B

ORG: Department of Technology of Electrochemical Production, Kharkov Polytechnic Institute im. V. I. Lenin (Kafedra tekhnologii elektrokhimicheskikh proizvodstv, Khar'kovskiy politekhnicheskii institut)

TITLE: Deposition of copper and silver galvanic coatings on titanium 17 16 27

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 8, no. 6, 1965, 979-932

TOPIC TAGS: electrodeposition, copper plating, silver, titanium, METAL PLATING

ABSTRACT: Experiments were carried out in order to determine whether it is possible to obtain adherent copper and silver coatings on titanium without subsequent thermal treatment. VT1 titanium, of the composition (in %) 0.10 C, 0.01 O₂, 0.04 N₂, 0.15 H₂, 0.15 Si, 0.30 Fe, balance Ti, was used. Prior to the electrodeposition, the titanium was treated chemically with fluoride-containing solutions. Copper was deposited from various copper-plating electrolytes (sulfate, ammonia, tartrate, pyrophosphate, trilon B). It was found that by using a solution of NH₄F-HF - CH₃COONH₄ for the chemical pretreatment, one can obtain adherent galvanic copper coatings without the need for subsequent thermal treatment. The thickness of adherent copper coatings was 7-10 μ from sulfate, ammonia, and pyrophosphate electrolytes, and 2-3 μ from the others. The silver coating was deposited on a copper

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substrate (2μ) from cyanide and ammonia electrolytes; its thickness was 15-20 μ ,
and its adhesion very good. Orig. art. has: 2 figures and 2 tables.

SUB CODE: 13/ SUBM DATE: 06Mar64/ ORIG REF: 010/ OTH REF: 005

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